



 Q960488 -1	<h1>Mega Jati ACADEMY</h1> <p>(A Division of Mega Jati Consult Sdn Bhd)</p> <p>An ISO 9001:2015 Certified Company</p> <p>www.megajaticonsult.com</p> <h2>2 DAYS SEMINAR ON</h2> <h3>WATER & WASTEWATER: DESIGN PRINCIPLES AND PRACTICE</h3>	 NO: 357-0228 2538  NO: 457194-P
DATE:	28 – 29 JANUARY 2019		
TIME:	8:30 AM TO 5:00 PM		
VENUE:	IEM SARAWAK BRANCH, KUCHING		
PROG. ID:	MJA/2019/NORTH/JAN/002		
OPENING CEREMONY BY:	Ir. HAIDEL HELI CHAIRMAN, IEM SARAWAK BRANCH		
			 CPD102018-0006 CCD: 20 CCDS  CPD: Applying

COMMITMENT FEES: (non-refundable and non-transferable)	IEM MEMBER: RM 560 CIDB GREEN CARD HOLDER: RM 560 OTHERS: RM 650
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SEMINAR SYNOPSIS:

DAY 1: The goals of water treatment plant are to produce water that is biologically and chemically safe, is appealing to consumers, and is non-corrosive and non-scaling. A series of treatment processes are necessary to treat water that fulfil the standard drinking water quality. In this topic, the water characterization, principles of water treatment, basic design of unit process in water treatment and current technology in water treatment will be covered.

The recent concern over the environmental impact of wastewater has been directed towards polluted resources by anthropogenic sources including household and agricultural waste and industrial processes. Currently, aerobic wastewater treatment is receiving increased interest due to its low operation and maintenance costs. However, the advanced wastewater treatment may take place in order to treat the complicated wastewater characteristic. Knowledge on suitable treatment process is essential to field engineer to ensure the effective wastewater treatment plant operation. In this topic, the participant will be exposed to the wastewater characterization, principles of wastewater treatment, basic design of unit process in wastewater treatment and current technology in wastewater treatment

DAY 2: Residual, sludge and biosolids management and handling during wastewater treatment accounts for almost half of the operational cost. These waste can be turned into profits when properly utilized. In Day 2 (Topic 1) participants will be exposed to potential utilization residual, sludge and biosolids from wastewater treatment.

Water reclamation and reuse has becoming more important than ever due to many factors such as water scarcity and pollution. In many countries, direct potable reuse (DPR) and indirect potable reuse applications is a necessity. The need to use less water in industries has also resulted in innovative reuse of water. Learn the water reclamation and reuse applications in Day 2 (Topic 2).

The sustainable water treatment in rural area and small community can be achieved if the required treatment tools are locally available and affordable. In Day 2 (Topic 3), the low cost water treatment for small community will be discussed.

Mega Jati ACADEMY

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2 DAYS SEMINAR ON

WATER & WASTEWATER: DESIGN PRINCIPLES AND PRACTICE

SPEAKER 1:



PROFILE:

Dr. FAHMI MUHAMMAD RIDWAN

Fahmi Muhammad Ridwan has more than 28 years working experiences, mostly in engineering education. He obtained PhD degree in 2002 from Hiroshima University, Japan. Previous working experiences focused on teaching and research supervision for undergraduate student in Dept of Chemical Engineering, University of Sumatera Utara, Medan - Indonesia (1990 - 2004). He has also gained professional experiences in wastewater, water supply and sanitation joining with UNICEF, International Federation of Red Cross and Red Crescent and Save the Children (an NGO), providing assistance for tsunami impact areas in Indonesia (2005 - 2008). He is working as Associate Professor in the School of Environmental Engineering, University Malaysia Perlis (October 2008 – present).

SPEAKER 2:



PROFILE:

Dr. RAFAEH WAHI






Dr. Rafeah Wahi received her PhD in Environmental Engineering in 2015 from Universiti Putra Malaysia (UPM). Her research work focuses on the processing of agricultural waste for utilization as useful products. So far, through her studies, she managed to turn sewage sludge and agricultural wastes from the palm oil and sago industries into bio-oil and biochar that can be upgraded into fuel material and chemical feedstocks. Biochar produced also has the potential to assist the agricultural sector to increase their yield through the use of biochar as soil ammender. Biochar produced can also be upgraded to be activated carbon, which is useful as an adsorbent for removing water pollutants such as heavy metals from wastewater. In addition, her research relating to chemically modified waste sago can assist in the

removal of oil from the water system. She is also actively involved in agricultural waste composting research, particularly on the sago bark and empty fruit bunches wastes. These studies give new value to agricultural waste and potentially can help reduce the agricultural waste handling problem in Malaysia.

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Mega Jati Consult is a Certified Training Provider for the Ministry of Finance (MOF), Human Resource Development Fund (HRDF) Malaysia and Construction Industry Development Board (CIDB) Malaysia for Continual Professional Development (CPD), Supervision and Management Program.

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PROGRAM ITENARY DAY- 1

8:00 – 8:30 AM	Registration
8:30 – 10:30 AM	TOPIC 1: CHARACTERISTIC OF WATER AND WASTEWATER PRINCIPLES OF PROCESSES INVOLVED IN WATER TREATMENT
10:30 – 10:45 AM	Morning Coffee Break
10:45 – 12:45 PM	TOPIC 2: PRINCIPLES OF PROCESSES INVOLVED IN WASTEWATER TREATMENT BASIC DESIGN OF WATER TREATMENT PLANT
12:45 – 2:30 PM	Lunch
2:30 – 4:30 PM	TOPIC 3: BASIC DESIGN OF WASTEWATER TREATMENT PLANT

	RECENT TECHNOLOGY IN WATER AND WASTEWATER TREATMENT
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4:30 – 5:00 PM	Coffee Break / END SESSION
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PROGRAM ITENARY DAY- 2	
8:00 – 8:30 AM	Registration

8:30 – 10:30 AM	TOPIC 1: RESIDUAL, SLUDGE AND BIOSOLIDS
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10:30 – 10:45 AM	Morning Coffee Break
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10:45 – 12:45 PM	TOPIC 2: WATER RECLAMATION AND REUSE
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12:45 – 2:30 PM	Lunch
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2:30 – 4:30 PM	TOPIC 3: LOW COST WATER TREATMENT FOR SMALL COMMUNITY
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4:30 – 5:00 PM	Coffee Break / CERTIFICATE COLLECTION
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**Subjected to changes*

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REGISTRATION FORM:

I / We wish to participate the above seminar. I enclosed herewith a cheque No. _____ for the amount of RM _____ commitment fee for the Seminar.

NO	NAME	HP NO	EMAIL

**Please add attachment if required*

COMPANY	
COMPANY ADDRESS / STAMP	

I / We will be participating in the Seminar at my own risk and hereby indemnify fully the **Mega Jati ACADEMY** from all claims arising from any injury, damage or loss that may be sustained by me.

Date

Signature

**Please email to academy@megajaticonsult.com / academy.mjc@gmail.com / Whatapps to +6015 9600 0411*

PAYMENT TERM AND CONDITIONS	REGISTRATION DATELINE:
<ul style="list-style-type: none">✓ Payment can be made via CASH / CHEQUE / BANK IN TRANSFER / ONLINE TRANSFER / LOCAL ORDER to account number <p>MAYBANK: 564874511951 Mega Jati Consult.</p> <ul style="list-style-type: none">✓ FULL PAYMENT must be settled before commencement of course, otherwise participant will not be allowed to enter the hall. If a seat is reserved and registered participant fail to attend, fee to be settled in full.✓ The paid fee is non-refundable.✓ The Secretariat reserved the rights to change the program due to any unforeseen circumstances.	22 JANUARY 2019
	ONLINE REGISTRATION https://docs.google.com/forms/d/e/1FAIpQLScRiGpHDBM6CUGokg2O8hD85bQ4lo9q2M4Az5l8xdr7mEgMeQ/viewform?vc=0&c=0&w=1
	ENQUIRIES 019 339 3269 – Danial